

WHAT IS CLAIMED IS:

1. A cutting tool assembly useful for generating cutting debris, the cutting tool assembly comprising:
 - a block containing a block bore;
 - 5 a sleeve containing a sleeve bore wherein the bore has an axial forward end, and the sleeve having a forward surface surrounding the bore at the axial forward end of the bore;
 - the sleeve containing at least one scallop beginning at and extending in an axial rearward direction from the forward surface;
 - 10 a cutting tool being rotatably contained within the sleeve bore;
 - a non-rotatable washer having a washer body with a peripheral edge, and the washer body containing at least one indentation adjacent to peripheral edge; and
 - the indentation of the non-rotatable washer being received within the
 - 15 scallop.
2. The cutting tool assembly of claim 1 wherein the scallop presents a concave surface.
3. The cutting tool assembly of claim 1 wherein the scallop becomes shallower and narrower along the axial rearward direction.
- 20 4. The cutting tool assembly of claim 1 wherein the indentation extends in an axial rearward direction.
5. The cutting tool assembly of claim 1 wherein the indentation abuts against the portion of the sleeve defining the scallops so as to define an abutment that renders the non-rotatable washer non-rotatable with respect to the
- 25 sleeve.
6. The cutting tool assembly of claim 5 wherein the washer body protects the abutment from erosion by the cutting debris.
7. The cutting tool assembly of claim 1 further including a flat

washer, the flat washer being adjacent to and axial forward of the non-rotatable washer.

8. The cutting tool assembly of claim 7 wherein the cutting tool carrying the non-rotatable washer and the flat washer.

5 9. The cutting tool assembly of claim 7 wherein the flat washer is free to rotate.

10 10. The cutting tool assembly of claim 1 wherein the cutting tool having an enlarged diameter shoulder, and the diameter of the enlarged diameter shoulder being greater than the diameter of the non-rotatable washer.

11. The cutting tool assembly of claim 10 further including a flat washer, the flat washer being adjacent to and axial forward of the non-rotatable washer, and the diameter of the enlarged diameter shoulder being greater than the diameter of the flat washer.

12. The cutting tool assembly of claim 1 containing a plurality of scallops and a plurality of indentions.

13. A non-rotatable washer for use with a cutting tool and a member that rotatably receives the cutting tool, the non-rotatable washer comprising:

a washer body having a peripheral edge; and

20 the washer body containing at least one indentation adjacent the peripheral edge and wherein the cutting tool carries the washer and the indentation registers with the member so as to render the washer non-rotatable.

14. The non-rotatable washer of claim 13 wherein the washer body containing a plurality of indentions.

25 15. The non-rotatable washer of claim 13 wherein each one of the indentations having an arcuate surface.

16. A cutting tool assembly useful for generating cutting debris, the cutting tool assembly comprising:

a holder containing a bore having an axial forward end, and the holder having a forward surface surrounding the bore at the axial forward end of the bore;

5 the holder containing at least one scallop beginning at and extending in an axial rearward direction from the forward surface;

a cutting tool being rotatably contained within the bore of the holder;

10 a non-rotatable washer having a washer body with a peripheral edge, and the washer body containing at least one indentation adjacent the peripheral edge; and

the indentation of the non-rotatable washer being received within the scallop.

17. The cutting tool assembly of claim 16 wherein the scallop presents a concave surface.

15 18. The cutting tool assembly of claim 16 wherein the scallop becomes shallower and narrower along the axial rearward direction.

19. The cutting tool assembly of claim 16 wherein the indentation extends in an axial rearward direction.

20 20. The cutting tool assembly of claim 16 wherein the indentation abuts against the portion of the sleeve defining the scallops so as to define an abutment that renders the non-rotatable washer non-rotatable with respect to the sleeve.

21. The cutting tool assembly of claim 20 wherein the washer body protects the abutment from erosion by the cutting debris.

25 22. The cutting tool assembly of claim 16 further including a flat washer, the flat washer being adjacent to and axial forward of the non-rotatable washer.

23. The cutting tool assembly of claim 22 wherein the cutting tool

carrying the non-rotatable washer and the flat washer.

24. The cutting tool assembly of claim 16 wherein the cutting tool having an enlarged diameter shoulder, and the diameter of the enlarged diameter shoulder being greater than the diameter of the non-rotatable washer.

5 25. The cutting tool assembly of claim 24 further including a flat washer, the flat washer being adjacent to and axial forward of the non-rotatable washer, and the diameter of the enlarged diameter shoulder being greater than the diameter of the flat washer.

10 26. The cutting tool assembly of claim 16 containing a plurality of scallops and a plurality of indentions.

27. The cutting tool assembly of claim 16 wherein the holder comprises a block.

28. The cutting tool assembly of claim 16 wherein the holder comprises a sleeve.

15 29. A cutting tool assembly useful for generating cutting debris, the cutting tool assembly comprising:

a holder containing a bore having an axial forward end, and the holder having a forward surface surrounding the bore at the axial forward end of the bore;

20 the holder containing a plurality of scallops beginning at and extending in an axial rearward direction from the forward surface;

a cutting tool being rotatably contained within the bore of the holder;

25 a non-rotatable washer having a washer body with a peripheral edge, and the washer body containing at least one indentation adjacent the peripheral edge wherein the number of the scallops is greater than the number of the indentions; and

the indentation of the non-rotatable washer being received within a

selected one of the scallops wherein there is at least one of the scallops that does not receive one of the indentions.